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MASSAGING SYSTEM

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims the benefit of United States Provisional Application Serial Number 60/430,028, filed November 29, 2002.

Field of the Invention

The present invention relates to massaging systems and to portable massagers.

Background of the Invention

Typically, individuals using a hand-held electrically powered percussive massager have a difficult time applying the device to their back, unless receiving help from another person. Heretofore, persons utilizing a handheld electrically powered percussive massager for back massage would often have to put themselves in awkward positions to massage their back. Persons experiencing physical

- 1 difficulty or arthritis, for example, would have even more
- 2 difficulty.



1       It is a further object and feature of the present  
2 invention to provide such a system comprising a  
3 programmable remote control.

4

5       A further primary object and feature of the present  
6 invention is to provide such a system that is efficient,  
7 inexpensive, and handy. Other objects and features of this  
8 invention will become apparent with reference to the  
9 following descriptions.

10

11       In accordance with a preferred embodiment hereof, this  
12 invention provides a massage system for electrically  
13 powered percussive massage, comprising: hand holdable  
14 massaging means for electrically powered percussive  
15 massaging; and rigid holding means for rigidly holding such  
16 hand holdable massaging means; wherein such rigid holding  
17 means comprises removable holding means for removably  
18 holding such hand holdable massaging means. Moreover, it  
19 provides such a massage system further comprising fixed  
20 mounting means for fixedly mounting such rigid holding  
21 means. Additionally, it provides such a massage system  
22 further comprising doortop mounting means for mounting such  
23 rigid holding means hung from a doortop. Also, it provides  
24 such a massage system wherein such rigid holding means

1 further comprises adjustable longitudinal setting means,  
2 comprising a rigid bar having a longitudinal length, for  
3 setting a user selected position, along such longitudinal  
4 length, for such hand holdable massaging means.

5  
6 In accordance with another preferred embodiment  
7 hereof, this invention provides a massage system for  
8 electrically powered percussive massage, comprising: at  
9 least one hand holdable massager structured and arranged to  
10 provide electrically powered percussive massaging; and at  
11 least one rigid holder structured and arranged to rigidly  
12 hold such at least one hand holdable massager; wherein such  
13 at least one rigid holder is structured and arranged to  
14 removably hold such at least one hand holdable massager. In  
15 addition, it provides such a massage system further  
16 comprising at least one mount structured and arranged to  
17 fixedly mount such at least one rigid holder. And it  
18 provides such a massage system further comprising at least  
19 one doortop mount structured and arranged to mount such at  
20 least one rigid holder hung from at least one doortop.  
21 Further, it provides such a massage system wherein such at  
22 least one rigid holder further comprises at least one  
23 adjustable longitudinal position setter, comprising at  
24 least one rigid bar having a longitudinal length,

1 structured and arranged to set at least one user selected  
2 position along such longitudinal length for such at least  
3 one hand holdable massager.

4

5 Even further, it provides such a massage system  
6 wherein such least one mount is fixedly mounted to a  
7 vertical surface. Moreover, it provides such a massage  
8 system wherein such at least one adjustable longitudinal  
9 position setter further comprises at least one clamp  
10 assembly structured and arranged to adjustably engage such  
11 at least one adjustable longitudinal position setter.  
12 Additionally, it provides such a massage system wherein  
13 such at least one clamp assembly comprises at least one  
14 first clamp structured and arranged to clamp and firmly  
15 retain such at least one hand holdable massager. Also, it  
16 provides such a massage system wherein: such at least one  
17 first clamp comprises at least one first substantially  
18 circular aperture structured and arranged to receive at  
19 least one portion of such one at least one hand holdable  
20 massager; and an inside diameter of such at least one first  
21 substantially circular aperture is adjustable.

1        In addition, it provides such a massage system wherein  
2        such at least one clamp assembly further comprises at least  
3        one second clamp structured and arranged to receive at  
4        lease one portion of such at least one adjustable  
5        longitudinal position setter. And it provides such a  
6        massage system wherein: such at least one second clamp  
7        comprises at least one second substantially circular  
8        aperture structured and arranged to receive at least one  
9        portion of such one at least one adjustable longitudinal  
10       position setter; and an inside diameter of such at least  
11       one second substantially circular aperture is adjustable.  
12       Further, it provides such a massage system wherein such at  
13       least one clamp assembly further comprises at least one  
14       electrically powered motor actuator structured and arranged  
15       to permit motorized travel along such longitudinal length.  
16       Even further, it provides such a massage system wherein  
17       such at least one electrically powered motor actuator  
18       comprises at least one control system structured and  
19       arranged to permit user control of the motorized travel  
20       along such longitudinal length. Even further, it provides  
21       such a massage system wherein such at least one control  
22       system is structured and arranged implement a program of  
23       user-desired settings. Even further, it provides such a  
24       massage system wherein such at least one electrically

1 powered motor actuator comprises at least one electrical  
2 plug connector structured and arranged to permit plug in of  
3 at least one plug of such at least one hand holdable  
4 massager.

5  
6 In accordance with another preferred embodiment  
7 hereof, this invention provides a kit system for  
8 implementing electrically powered, rigidly held percussive  
9 massage using at least one hand holdable massager,  
10 comprising: at least one rigid holder structured and  
11 arranged to rigidly hold the at least one hand holdable  
12 massager; wherein such at least one rigid holder structured  
13 and arranged to removably hold such at least one hand  
14 holdable massager; and wherein such at least one rigid  
15 holder further comprises at least one adjustable  
16 longitudinal position setter, comprising at least one rigid  
17 bar having a longitudinal length, structured and arranged  
18 to set at least one user selected position along such  
19 longitudinal length for the at least one hand holdable  
20 massager. Even further, it provides such a kit system  
21 further comprising indicia indicating: at least one group  
22 of massagers sized and arranged to be rigidly held by the  
23 at least one rigid holder; and instructions for assembly of  
24 the kit system where the user supplies the massager. Even



1 further, it provides such a kit system further comprising  
2 at least one electrically powered motor actuator structured  
3 and arranged to permit motorized travel along such  
4 longitudinal length. Even further, it provides such a kit  
5 system further comprising indicia indicating: at least one  
6 group of massagers sized and arranged to be rigidly held by  
7 the at least one rigid holder; and instructions for  
8 assembly of the kit system where the user supplies the  
9 massager.

10

11       Additionally, this invention provides each and every  
12 novel feature, element, combination, step and/or method  
13 disclosed or suggested by this provisional patent  
14 application.

1                    BRIEF DESCRIPTION OF THE DRAWINGS

2  
3            Referring to the drawings:

4  
5            FIG. 1 is a photographic view of a wall mount massage  
6 assembly of the massage system according to a preferred  
7 embodiment of the present invention;

8  
9            FIG. 2 is a side view, partially in section, of the  
10 wall mount massage assembly of FIG. 1;

11  
12           FIG. 3 is an exploded top view of a holding bracket of  
13 the massage system according to a preferred embodiment of  
14 the present invention;

15  
16           FIG. 4 is an assembled top view of the holding bracket  
17 of FIG. 3;

18  
19           FIG. 5 is a side view of the wall mount massage  
20 assembly of FIG. 1 in use by an individual in a sitting  
21 position according to a preferred embodiment of the present  
22 invention;

1        FIG. 6 is a side view of the wall mount massage  
2 assembly of FIG. 1 in use by an individual in a standing  
3 position according to a preferred embodiment of the present  
4 invention;

5

6        FIG. 7 is a side view, partially in section of a  
7 motorized massage assembly of the massage system according  
8 to another preferred embodiment of the present invention;

9

10       FIG. 8 is a sectional view through section 8-8 of FIG.  
11 7;

12

13       FIG. 9 is a perspective view of a bar of the motorized  
14 massage assembly of FIG. 7 according to a preferred  
15 embodiment of the present invention; and

16

17       FIG. 10 is a perspective view of a door mount assembly  
18 of the massage system according to a preferred embodiment  
19 of the present invention.

1           DETAILED DESCRIPTION OF A PREFERRED EMBODIMENT

2  
3           This invention relates to providing a massage system.  
4           More specifically, a massage system providing a bracket for  
5           rigidly holding an electrically powered percussion  
6           massager, for example, a hand held electric massager, and a  
7           bracket height adjustment such that the massager may be  
8           utilized by a user at a specific height. Furthermore, the  
9           massage system provides rigid support for the massager to  
10          enable a person to back into the massagers thereby more  
11          easily controlling the massage by themselves without  
12          requiring use of the hands.

13  
14          Reference is now made to the drawings. Specifically  
15          reference is now made to FIG. 1 through FIG. 4. FIG. 1 is a  
16          photographic view of a wall mount massage assembly 102 of  
17          the massage system 100 according to a preferred embodiment  
18          of the present invention. FIG. 2 is a side view, partially  
19          in section, of the wall mount massage assembly 102 of FIG.  
20          1. FIG. 3 is an exploded top view of a holding bracket 106  
21          of the massage system 100 according to a preferred  
22          embodiment of the present invention FIG. 4 is an assembled  
23          top view of the holding bracket 106 of FIG. 3.

1        Preferably, the wall mount massage assembly 102  
2 comprises a bar 104, a holding bracket 106, and an  
3 electrically powered percussive massager 108, as shown.  
4 Preferably, bar 104 comprises a round hollow rod,  
5 preferably, stainless steel, preferably, one and one-half  
6 inch diameter, preferably, at least a thirty six inch long  
7 bar. In a highly preferred embodiment, a seventy two inch  
8 long bar is utilized. Preferably, bar 104 (embodying herein  
9 adjustable longitudinal setting means, comprising a rigid  
10 bar having a longitudinal length, for setting a user  
11 selected position, along such longitudinal length, for such  
12 hand holdable massaging means and further embodying herein  
13 at least one adjustable longitudinal position setter,  
14 comprising at least one rigid bar having a longitudinal  
15 length, structured and arranged to set at least one user  
16 selected position along such longitudinal length for such  
17 at least one hand holdable massager) is similar in  
18 construction to the stainless steel grab bars produced by  
19 Franklin Brass Co. of Carson, CA. Under appropriate  
20 circumstances, other dimensions and materials may suffice  
21 to accommodate such factors as alternate preferred ranges  
22 of adjustability and cost. Preferably, mounting flange 109  
23 is used to rigidly fasten bar 104 to wall 105 using  
24 appropriate fasteners 107, as shown (the above arrangement

1 embodies herein, fixed mounting means for fixedly mounting  
2 such rigid holding means and further embodying herein at  
3 least one mount structured and arranged to fixedly mount  
4 such at least one rigid holder).

5  
6       Holding bracket 106 (embodying herein rigid holding  
7 means for rigidly holding such hand holdable massaging  
8 means and further embodying herein at least one rigid  
9 holder structured and arranged to rigidly hold such at  
10 least one hand holdable massager) preferably comprises two  
11 apertures 110 and 112, as shown. Preferably, aperture 110  
12 (embodying herein at least one second substantially  
13 circular aperture structured and arranged to receive at  
14 least one portion of such one at least one adjustable  
15 longitudinal position setter) has a diameter that will  
16 encircle and clamp to bar 106, as shown. Preferably,  
17 aperture 112 (embodying herein at least one first  
18 substantially circular aperture structured and arranged to  
19 receive at least one portion of such one at least one hand-  
20 holdable massager) has a diameter that will encircle a  
21 portion of the electrically powered percussive massager  
22 108, preferably the handle 114 of a hand held massager 116,  
23 as shown. Preferably, holding bracket 106 comprises a  
24 center portion 118, a second clamping portion 120 and a

1 first clamping portion 132, as shown.

2

3        Preferably, second clamping portion 120 (embodying  
4 herein at least one second clamp structured and arranged to  
5 receive at least one portion of such at least one  
6 adjustable longitudinal position setter) comprises two ends  
7 122 and 124, as shown. Preferably, end 122 permanently  
8 attaches to the center portion 118 utilizing a pin 126  
9 placed into an aperture 128 in the second clamping portion  
10 120 and an aligned aperture 130 in the center portion 118  
11 such that the second clamping portion 120 can swing away  
12 from the center portion 118, as shown. Preferably, first  
13 clamping portion 132 (embodying herein at least one first  
14 clamp structured and arranged to clamp and firmly retain  
15 such at least one hand holdable massager) comprises two  
16 ends 134 and 136, as shown. Preferably, end 134 permanently  
17 attaches to the center portion 118 utilizing a pin 138  
18 placed into an aperture 140 in the first clamping portion  
19 132 and an aligned aperture 142 in the center portion 118  
20 such that the first clamping portion 132 can swing away  
21 from the center portion 118, as shown. Preferably, the end  
22 124 removably attaches to the center portion 118, as shown.  
23 Preferably, end 124 is attached to center portion 118  
24 utilizing a threaded bolt 144, as shown. Preferably, the

1 threaded bolt 144 comprises a knob 146 for turning the  
2 threaded bolt 144. Preferably, the threaded bolt 144 is  
3 inserted through an aperture 148 in the end 124 and into a  
4 threaded aperture 150 in the center portion 118, as shown.

5

6 Preferably, end 136 is attached to center portion 118  
7 utilizing a threaded bolt 152, as shown. Preferably, the  
8 threaded bolt 144 comprises a knob 154 for turning the  
9 threaded bolt 152. Preferably, the threaded bolt 152 is  
10 inserted through an aperture 153 in the end 136 and into a  
11 threaded aperture 156 in the center portion 118, as shown.  
12 Under appropriate circumstances, other arrangements may  
13 suffice.

14

15 Reference is now made to FIG. 5 and FIG. 6 with  
16 continued reference to the above Figures. FIG. 5 is a side  
17 view of the wall mount massage assembly 102 of FIG. 1 in  
18 use by an individual 170 in a sitting position 172  
19 according to a preferred embodiment of the present  
20 invention. FIG. 6 is a side view of the wall mount massage  
21 assembly 102 of FIG. 1 in use by a user 174 in a standing  
22 position 176 according to a preferred embodiment of the  
23 present invention. Preferably, the massage system 100 may  
24 be used in both a sitting position 172 and a standing



1 position 176, as shown. Preferably, in a sitting position  
2 172, a user adjusts the electrically powered percussive  
3 massager 108 (embodying herein hand holdable massaging  
4 means for electrically powered percussive massaging and  
5 further embodying herein at least one hand holdable  
6 massager structured and arranged to provide electrically  
7 powered percussive massaging) at a desired height in which  
8 the massager will be positioned on the user on the desired  
9 anatomy, preferably the back 178, as shown. The user  
10 receives self administered therapy by backing into the  
11 electrically powered percussive massager 108, as shown.  
12 Under appropriate circumstances, other arrangements may  
13 suffice. Preferably, the user utilizes a seat 180 that does  
14 not have a rear portion or sits in a chair such that the  
15 user's back 178 is towards the electrically powered  
16 percussive massager 108, as shown.

17

18 Similarly, in preferred use while standing, the user  
19 adjusts the electrically powered percussive massager 108 to  
20 a desired height above floor level allowing the  
21 electrically powered percussive massager 108 to be  
22 positioned at a preferred point on the user's anatomy, as  
23 shown. The user again receives self administered therapy by  
24 backing into the electrically powered percussive massager

1 108, as shown. In each case the height of electrically  
2 powered percussive massager 108 is adjusted by turning knob  
3 146 to loosen threaded bolt 144 from center portion 118  
4 allowing the second clamping portion 120 to swing away from  
5 the bar 104 (embodying herein wherein an inside diameter of  
6 such at least one second substantially circular aperture is  
7 adjustable) thereby releasing the second clamping portion  
8 120 from bar 104, as shown. Holding bracket 106 is then  
9 free to travel up and down bar 104. Preferably, the holding  
10 bracket 106 (and the attached electrically powered  
11 percussive massager 108) is resecured to bar 104 by  
12 following the reverse steps of turning knob 146 to tighten  
13 bolt 144 to center portion 118 thereby securing second  
14 clamping portion 120 firmly against bar 104, as shown.

15

16       Message system 100 is preferably adapted to allow  
17 removal and replacement of the electrically powered  
18 percussive massager 108 by operation of the first clamping  
19 portion 132 of holding bracket 106 (embodying herein  
20 wherein such rigid holding means comprises removable  
21 holding means for removably holding such hand holdable  
22 massaging means and wherein such at least one rigid holder  
23 is structured and arranged to removably hold such at least  
24 one hand holdable massager). To release the electrically

1 powered percussive massager 108 from holding bracket 106  
2 the user turns knob 154 to loosen threaded bolt 152 from  
3 center portion 118 allowing first clamping portion 132 to  
4 swing away from the handle 114 of the electrically powered  
5 percussive massager 108 thereby releasing the first  
6 clamping portion 132 from the electrically powered  
7 percussive massager 108. After release, the electrically  
8 powered percussive massager 108 is then free to be removed  
9 from the holding bracket 106. Preferably, the electrically  
10 powered percussive massager 108 is resecured within holding  
11 bracket 106 by following the reverse steps of inserting the  
12 handle 114 of the electrically powered percussive massager  
13 108 into aperture 112 and turning knob 154 to tighten bolt  
14 153 into center portion 118 thereby securing the first  
15 clamping portion 132 firmly against the handle 114, as  
16 shown (the above described arrangements embodies herein  
17 wherein an inside diameter of such at least one first  
18 substantially circular aperture is adjustable).

19

20 FIG. 7 is a side view, partially in section of a  
21 motorized massage assembly 190 of the massage system 100  
22 according to another preferred embodiment of the present  
23 invention. Preferably, the motorized massage assembly 190  
24 comprises a track bar 192, supporting a motorized holding

1 assembly 194, and an electrically powered percussive  
2 massager 108, as shown. Preferably, track bar 192 comprises  
3 a rigid vertical member having an "I" shaped sectional  
4 profile (as further illustrated in FIG. 9). Preferably,  
5 track bar 192 has a preferred length of at least thirty six  
6 inches. In a highly preferred embodiment, a seventy two  
7 inch long bar is utilized to provide extended adjustability  
8 to massage system 100. Under appropriate circumstances,  
9 other dimensions and materials may suffice to accommodate  
10 such factors as alternate preferred ranges of adjustability  
11 and cost. Track bar 192 is preferably held in a position  
12 adjacent wall 105 (embodying herein wherein such least one  
13 mount is fixedly mounted to a vertical surface) by an upper  
14 mount 196 and a lower mount 198, as shown. Preferably, both  
15 upper mount 196 and lower mount 198 are mechanically  
16 fastened to wall 105 using appropriate fasteners 202, as  
17 shown. Preferably, upper mount 196 and/or lower mount 198  
18 are removable from track bar 192 such that track bar 192  
19 may be inserted through motorized holding assembly 194, as  
20 shown. Preferably, motorized holding assembly 194 comprises  
21 a holding bracket 204 similar in construction and function  
22 to the massager holding portion of holding bracket 106 as  
23 described in FIG. 1 through FIG. 3 above. Preferably,  
24 motorized holding assembly 194 comprises a rigid outer

1 housing 206 preferably constructed from plastic such as ABS  
2 or metal such as aluminum. Although outer housing 206 is  
3 depicted in the embodiment of FIG. 7 as having an  
4 essentially elliptical shape, under appropriate  
5 circumstances a number of preferred alternate shape  
6 arrangements, sizes, and surface treatments may be used.  
7 Preferably, outer housing 206 includes a convenient power  
8 outlet 208 to allow cord 210 of electrically powered  
9 percussive massager 108 to be plugged into motorized  
10 holding assembly 194, thereby accommodating massagers  
11 having moderate cord lengths (the above arrangement  
12 embodying herein at least one electrical plug connector  
13 structured and arranged to permit plug in of at least one  
14 plug of such at least one hand holdable massager). Under  
15 appropriate circumstances outer housing 206 may include  
16 such other features as a power control switch 212, a  
17 movement control switch and/or a power indicator light 214,  
18 as shown. A power cord 216 is preferably used to connect  
19 the motorized holding assembly 194 to an external power  
20 source, as shown. Under appropriate circumstances motorized  
21 holding assembly 194 may be powered by an internal power  
22 source such as replaceable or rechargeable batteries.

1        FIG. 8 is a sectional view through section 8-8 of FIG.  
2        7. FIG. 8 illustrates a typical arrangement of components  
3        within outer housing 206 of motorized holding assembly 194.  
4        Preferably, a high torque, low RPM motor 218, drives a  
5        pinion gear 220 attached to motor shaft 222, as shown.  
6        Pinion gear 220 preferably engages a linear rack type gear  
7        224 positioned vertically along the length of the web 226  
8        of track bar 192 (see FIG. 9). Rack type gear 224  
9        preferably acts to convert the rotary motion of pinion gear  
10       220 to a linear motion thereby propelling motorized holding  
11       assembly 194 up and down track bar 192 (embodying herein at  
12       least one electrically powered motor actuator structured  
13       and arranged to permit motorized travel along such  
14       longitudinal length). Preferably, at least one guide wheel  
15       228 rides along the face of web 226 opposite rack type gear  
16       224, as shown. Guide wheel 228 preferably operates on idler  
17       shaft 230, acting to stabilize the motorized holding  
18       assembly 194 on track bar 192, as shown. In light of the  
19       present teachings those skilled in the art will now  
20       appreciate that, under appropriate circumstances, other  
21       guiding and positioning arrangements may be used to provide  
22       additional stability to the system. Preferably, motor shaft  
23       222 and idler shaft 230 are firmly positioned within outer  
24       housing 206 using an arrangement of internal support

1 structures that may preferably include, portions of outer  
2 housing 206, secondary support structures such as plate 232  
3 and/or portions of holding bracket 204, as shown. Motorized  
4 holding assembly 194 preferably includes a power section  
5 236, containing power outlet 208 and controller assembly  
6 234, as shown. In a highly preferred embodiment, a hand  
7 held remote control module 238 is used to operate motorized  
8 holding assembly 194 (embodying herein at least one control  
9 system structured and arranged to permit user-control of  
10 the motorized travel along such longitudinal length), as  
11 shown. Remote control module 238 is preferably connected to  
12 controller assembly 234 by means of a connection wire 240,  
13 as shown. Most preferably, remote control module 238  
14 communicates with controller assembly 234 by means of a  
15 wireless RF or IR signal, as shown. In a basic embodiment,  
16 remote control module 238 is preferably equipped with an  
17 "'up" button 242 and corresponding "down" button 243 to  
18 control the vertical travel of motorized holding assembly  
19 194, as shown.

20

21 In another highly preferred embodiment of the present  
22 invention, remote control module 238 and/or controller  
23 assembly 234 preferably includes a preprogrammed or user  
24 programmable feature that allows a predetermined or

1 memorized program to control the operation of motorized  
2 holding assembly 194 (embodying herein wherein such at  
3 least one control system is structured and arranged  
4 implement a program of user desired settings). Such a  
5 programming feature permits the user to input and recall,  
6 for example, a user specific massager position or motion  
7 pattern. Preferably a stepping motor is used in the  
8 programmable versions of motorized holding assembly 194 to  
9 allow for controlled and accurate positioning of the unit.  
10 In light of the present teachings, those skilled in the art  
11 will now appreciate that other assemblies, accessories and  
12 controls, which facilitate and enhance the operation of the  
13 above described motor driven embodiments, are within the  
14 scope of the present invention (not limited to top and  
15 bottom travel limiting switches, motor control indexing  
16 indicators, safety protection devices etc).

17

18 FIG. 9 is a perspective view of the track bar 192  
19 (embodying herein adjustable longitudinal setting means,  
20 comprising a rigid bar having a longitudinal length, for  
21 setting a user selected position, along such longitudinal  
22 length, for such hand holdable massaging means and further  
23 embodying at least one adjustable longitudinal position  
24 setter, comprising at least one rigid bar having a



1 longitudinal length, structured and arranged to set at  
2 least one user selected position along such longitudinal  
3 length for such at least one hand holdable massager) of the  
4 motorized massage assembly 194 of FIG. 7 according to a  
5 preferred embodiment of the present invention. Preferably,  
6 track bar 192 consists of an "I" shaped member comprising  
7 a center web 226 and two perpendicularly oriented flange  
8 portions 242, as shown. Preferably, rack type gear 224 is  
9 positioned adjacent to center web 226, between flange  
10 portions 242, as shown. Although it is preferred that rack  
11 type gear 224 is mechanically fastened to track bar 192 by  
12 mechanical fasteners or welding, under appropriate  
13 circumstances, rack type gear 224 may be integrally formed  
14 with track bar 192. Preferably, track bar 192 is  
15 constructed from metal, preferably extruded aluminum. Under  
16 appropriate circumstances, to address such issues as  
17 durability and cost, track bar 192 may be formed from other  
18 rigid materials such as stainless steel, plastic or a  
19 combination of metallic and plastic components.

20

21 FIG. 10 is a perspective view of a door mount assembly  
22 250 of the massage system 100 according to a preferred  
23 embodiment of the present invention (embodying herein  
24 doortop mounting means for mounting such rigid holding

1 means hung from a doortop and further embodying herein at  
2 least one doortop mount structured and arranged to mount  
3 such at least one rigid holder hung from at least one  
4 doortop). In applications of massage system 100 where it is  
5 less preferable to install a permanent wall mounted bar  
6 104, or where portability of the system is desired, door-  
7 mount assembly 250 may be utilized. Preferably, door mount  
8 assembly 250 comprises a bar 104 mounted to a support plate  
9 252, as shown. Support plate 252 preferably comprises a top  
10 hook 254 adapted to fit over the top of a door thereby  
11 supporting the door mount assembly 250 in a position for  
12 use. Preferably, the top hook is adapted to accommodate a  
13 standard door having a thickness of about 1-1/2". Under  
14 appropriate circumstances, a top hook insert may be  
15 provided to allow door mount assembly 250 to betterfit  
16 thinner (1-3/8") interior doors. Preferably, door mount  
17 assembly 250 is constructed from a rigid material,  
18 preferably metal. Under appropriate circumstances, door-  
19 mount assembly 250 may be constructed from plastic or a  
20 combination of plastic and metallic components. Under  
21 appropriate circumstances, door mount assembly 250 may  
22 preferably include sound and vibration attenuating  
23 materials to limit vibration and sound resonance within the  
24 supporting door during use. Preferably, support plate 252

1 is about 4" to 6" in width with a length permitting door  
2 mount assembly 250 to be hung from a 7'-0" high door while  
3 maintaining bar 104 in a position allowing use of massage  
4 system 100 in a standing or sitting position. Under  
5 appropriate circumstances, other configurations may  
6 suffice, for example to produce a smaller, highly portable,  
7 upper-body massage unit. It should be noted that the door  
8 mount assembly 250 may be used with a manually operated  
9 holding bracket 106 or a motorized holding assembly 194.

10

11 Although massage system 100 may be distributed and  
12 installed by the manufacturer, massage system 100 is  
13 preferably supplied as a consumer kit. A consumer kit for  
14 utilizing a user supplied electrically powered, hand  
15 holdable massager 108 preferably comprises; a surface  
16 mountable bar 104, a holding bracket 106 and a set of  
17 printed instructions (indicating massagers sized and  
18 arranged to be compatible with holding bracket 106 and  
19 instructions for assembly of the kit). An alternate  
20 preferred consumer kit combination for utilizing a user  
21 supplied electrically powered, hand holdable massager 108  
22 preferably comprises; a track bar 192, a motorized holding  
23 assembly 194 and a set of printed instructions (indicating  
24 massagers sized and arranged to be compatible with holding

1 bracket 106 and instructions for assembly of the kit).

2

3       Although applicant has described applicant's preferred  
4 embodiments of this invention, it will be understood that  
5 the broadest scope of this invention includes such  
6 modifications as diverse shapes and sizes and materials.  
7 Such scope is limited only by the below claims as read in  
8 connection with the above specification.

9

10       Further, many other advantages of applicant's  
11 invention will be apparent to those skilled in the art from  
12 the above descriptions and the below claims.